

Name _____

SYSTEM OF EQUATIONS-ELIMINATION #1

Directions: Solve each system of equations below by *eliminating* a variable from each system. In order to eliminate a variable, you will have to use multiplication or division to modify both equations.

modified equations

1) $6x + 7y = 60$ $6x + 7y = 60$

$3x + 2y = 21$ $6x + 4y = 42$

x = _____ y = _____

modified equations

2) $8x + 9y = 82$

$2x + 2y = 20$

x = _____ y = _____

modified equations

3) $5x + 8y = 53$

$x + y = 10$

x = _____ y = _____

4) $4x + 3y = 56$

$2x + y = 24$

x = _____ y = _____

5) $9x + 7y = 82$

$3x + 2y = 26$

x = _____ y = _____

6) $10x + 8y = 66$

$5x + 3y = 31$

x = _____ y = _____

7) $24x + 24y = 240$

$12x + 10y = 106$

x = _____ y = _____

8) $x + 2y = 10$

$8x + 3y = 41$

x = _____ y = _____

9) $36x + 54y = 450$

$12x + 15y = 135$

x = _____ y = _____